

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051221\  
 Data File : VU043671.D  
 Acq On : 12 May 2021 12:54  
 Operator : SY/MD  
 Sample : VU0512WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0512WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/13/2021 4:08:59 PM

Quant Time: May 12 16:46:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 09:51:45 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Pentafluorobenzene        | 5.382  | 168  | 101993   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.256  | 114  | 167312   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 9.424  | 117  | 158117   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.819 | 152  | 82713    | 50.00  | ug/l    | 0.00     |
|                              |        |      |          |        |         |          |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4    | 5.710  | 65   | 98893    | 46.88  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 93.76%  |          |
| 35) Dibromofluoromethane     | 5.298  | 113  | 66718    | 48.32  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 96.64%  |          |
| 50) Toluene-d8               | 7.906  | 98   | 241742   | 52.03  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 104.06% |          |
| 62) 4-Bromofluorobenzene     | 10.639 | 95   | 87839    | 48.52  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 97.04%  |          |
|                              |        |      |          |        |         |          |
| Target Compounds             |        |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 26254    | 19.05  | ug/l    | 98       |
| 3) Chloromethane             | 1.523  | 50   | 34469    | 19.79  | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.607  | 62   | 29763    | 18.38  | ug/l    | 99       |
| 5) Bromomethane              | 1.842  | 94   | 18038    | 19.79  | ug/l    | 96       |
| 6) Chloroethane              | 1.929  | 64   | 18212    | 17.54  | ug/l    | 100      |
| 7) Trichlorofluoromethane    | 2.138  | 101  | 41822    | 19.07  | ug/l    | 98       |
| 8) Diethyl Ether             | 2.382  | 74   | 16239    | 20.43  | ug/l    | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.585  | 101  | 23937    | 19.70  | ug/l    | 99       |
| 10) Methyl Iodide            | 2.726  | 142  | 22660    | 15.20  | ug/l    | 99       |
| 11) Tert butyl alcohol       | 3.189  | 59   | 44978    | 81.20  | ug/l    | 99       |
| 12) 1,1-Dichloroethene       | 2.585  | 96   | 22351    | 18.93  | ug/l    | 94       |
| 13) Acrolein                 | 2.488  | 56   | 27900    | 117.99 | ug/l    | 99       |
| 14) Allyl chloride           | 2.929  | 41   | 58527    | 19.78  | ug/l    | 96       |
| 15) Acrylonitrile            | 3.318  | 53   | 96947    | 96.42  | ug/l    | 99       |
| 16) Acetone                  | 2.626  | 43   | 113785   | 99.29  | ug/l    | 100      |
| 17) Carbon Disulfide         | 2.797  | 76   | 68153    | 18.20  | ug/l    | 99       |
| 18) Methyl Acetate           | 2.951  | 43   | 53016    | 20.24  | ug/l    | 99       |
| 19) Methyl tert-butyl Ether  | 3.369  | 73   | 75872    | 18.68  | ug/l    | 96       |
| 20) Methylene Chloride       | 3.051  | 84   | 28947    | 17.95  | ug/l    | 98       |
| 21) trans-1,2-Dichloroethene | 3.359  | 96   | 25380    | 19.77  | ug/l    | 97       |
| 22) Diisopropyl ether        | 3.999  | 45   | 99817    | 19.67  | ug/l    | 99       |
| 23) Vinyl Acetate            | 3.961  | 43   | 499334   | 92.35  | ug/l    | 99       |
| 24) 1,1-Dichloroethane       | 3.877  | 63   | 54980    | 18.74  | ug/l    | 99       |
| 25) 2-Butanone               | 4.707  | 43   | 168324   | 95.27  | ug/l    | 99       |
| 26) 2,2-Dichloropropane      | 4.671  | 77   | 44242    | 22.38  | ug/l    | 96       |
| 27) cis-1,2-Dichloroethene   | 4.674  | 96   | 28223    | 19.06  | ug/l    | 95       |
| 28) Bromochloromethane       | 4.980  | 49   | 29379    | 19.96  | ug/l    | # 98     |
| 29) Tetrahydrofuran          | 5.057  | 42   | 94901    | 94.58  | ug/l    | 98       |
| 30) Chloroform               | 5.096  | 83   | 53333    | 18.80  | ug/l    | 98       |
| 31) Cyclohexane              | 5.395  | 56   | 45649    | 18.52  | ug/l    | 95       |
| 32) 1,1,1-Trichloroethane    | 5.324  | 97   | 44451    | 18.39  | ug/l    | 98       |
| 36) 1,1-Dichloropropene      | 5.533  | 75   | 36976    | 19.47  | ug/l    | 99       |
| 37) Ethyl Acetate            | 4.810  | 43   | 63317    | 19.68  | ug/l    | 98       |
| 38) Carbon Tetrachloride     | 5.533  | 117  | 36989    | 19.21  | ug/l    | 99       |
| 39) Methylcyclohexane        | 6.771  | 83   | 34796    | 18.96  | ug/l    | 96       |
| 40) Benzene                  | 5.781  | 78   | 111125   | 19.52  | ug/l    | 100      |

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 Sample : VU0512WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VU0512WBS01

Manual Integrations  
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 5/13/2021 4:08:59 PM

Quant Time: May 12 16:46:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U050621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 09:51:45 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.980  | 41   | 33884    | 19.39  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.800  | 62   | 48456    | 19.38  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.919  | 43   | 92190    | 19.54  | ug/l   | 99       |
| 44) Trichloroethene           | 6.549  | 130  | 25738    | 19.25  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 6.797  | 63   | 32181    | 19.18  | ug/l   | 96       |
| 46) Dibromomethane            | 6.925  | 93   | 20764    | 19.63  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.112  | 83   | 40694    | 19.00  | ug/l   | 95       |
| 48) Methyl methacrylate       | 6.967  | 41   | 43851    | 18.50  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 6.970  | 88   | 14397    | 361.98 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 7.797  | 43   | 321640   | 96.05  | ug/l   | 99       |
| 52) Toluene                   | 7.977  | 92   | 65440    | 19.88  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.218  | 75   | 43905    | 19.27  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 7.613  | 75   | 46776    | 19.98  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.407  | 97   | 28310    | 19.73  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.340  | 69   | 42224    | 18.50  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 8.581  | 76   | 50884    | 19.94  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.469  | 63   | 74167    | 103.26 | ug/l   | 99       |
| 59) 2-Hexanone                | 8.690  | 43   | 253887   | 94.67  | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.816  | 129  | 29057    | 19.04  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 8.932  | 107  | 29708    | 19.17  | ug/l   | 97       |
| 64) Tetrachloroethene         | 8.559  | 164  | 23963    | 19.62  | ug/l   | 96       |
| 65) Chlorobenzene             | 9.452  | 112  | 67116    | 19.24  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 9.542  | 131  | 25343    | 18.88  | ug/l   | 100      |
| 67) Ethyl Benzene             | 9.578  | 91   | 119692   | 18.11  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.700  | 106  | 88973    | 36.41  | ug/l   | 99       |
| 69) o-Xylene                  | 10.108 | 106  | 42362    | 18.22  | ug/l   | 99       |
| 70) Styrene                   | 10.121 | 104  | 71240    | 17.97  | ug/l   | 99       |
| 71) Bromoform                 | 10.298 | 173  | 23054    | 18.82  | ug/l # | 94       |
| 73) Isopropylbenzene          | 10.491 | 105  | 116897   | 19.72  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.327 | 43   | 71608    | 17.94  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 52550    | 18.79  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.832 | 75   | 47273m   | 17.97  | ug/l   |          |
| 77) Bromobenzene              | 10.790 | 156  | 30052    | 19.69  | ug/l   | 99       |
| 78) n-propylbenzene           | 10.912 | 91   | 144956   | 20.00  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.993 | 91   | 88020    | 19.59  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 100697   | 18.48  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.552 | 75   | 16090    | 19.92  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.102 | 91   | 104209   | 20.30  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.427 | 119  | 94044    | 19.08  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 100876   | 18.55  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.652 | 105  | 120117   | 18.71  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 11.800 | 119  | 101298   | 18.46  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.751 | 146  | 54149    | 18.76  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 11.841 | 146  | 56074    | 18.73  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.214 | 91   | 92864    | 18.01  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.484 | 117  | 15797    | 19.04  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.221 | 146  | 55490    | 18.61  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 13.005 | 75   | 12939    | 18.77  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.848 | 180  | 33189    | 17.13  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.028 | 225  | 17189    | 18.63  | ug/l   | 99       |
| 95) Naphthalene               | 14.092 | 128  | 107004   | 16.31  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 34275    | 17.73  | ug/l   | 98       |

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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue May 11 09:51:45 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

